

## IN THE CLAIMS

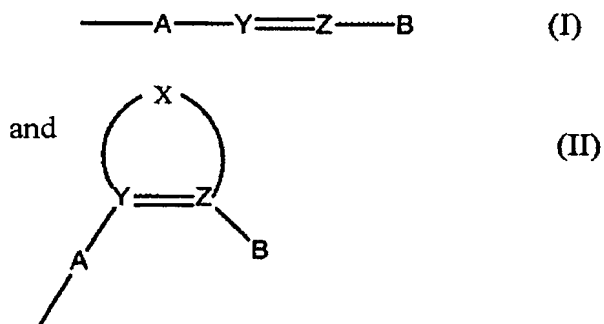
Please amend the claims as follows:

Claims 1-34 (Canceled).

Claim 35 (New): A cosmetic composition for treating keratin materials, comprising:  
at least one cosmetic active agent and at least one compound having at least one  
photodimerizable group,

wherein the compound having the photodimerizable group has a molecular mass of  
greater than 500 g/mol.

Claim 36 (New): The cosmetic composition according to Claim 35, wherein the  
photodimerizable group is a monovalent radical selected from the group consisting of  
formulae:



in which:

Y and Z denote, independently of each other, a carbon or nitrogen atom;

A is a divalent bonding group selected from the group consisting of an alkylene  
radical, a cycloaromatic radical, a heterocyclic radical, a carbonyl radical, an alkenylene  
radical, and combinations thereof;

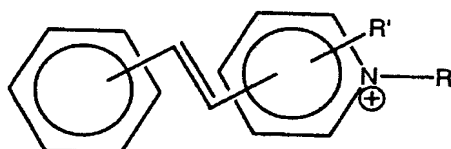
B is a monovalent group selected from the group consisting of an alkyl radical, a cycloaromatic radical, a heterocyclic radical, a carbonyl radical, an alkenyl radical, and combinations thereof;

X is a divalent group selected from the group consisting of an alkylene radical, a cycloaromatic radical, a heterocyclic radical, a carbonyl radical, an alkenylene radical, and combinations thereof;

wherein each of the alkyl radical, the alkenyl radical, the alkylene radical, the cycloaromatic radical, the heterocyclic radical, the carbonyl radical, and the alkenylene radical may be substituted with one or more groups selected from the group consisting of alkyl, hydroxyl, amino, monoalkylamino, dialkylamino, halogen, aryl, carboxyl, alkoxy, alkoxycarbonyl, hydrogenocarbonyl, sulphonato, amide and acyl groups.

Claim 37 (New): The cosmetic composition according to Claim 35, wherein the photodimerizable group is at least one monovalent radical selected from the group consisting of:

a stilbene; a styrylpyridinium (stilbazolium) of formula:

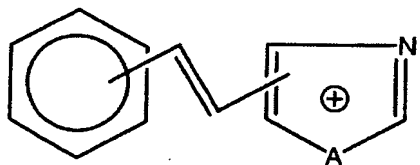


wherein

R represents a hydrogen atom, an alkyl group or hydroxyalkyl group, and

R' represents a hydrogen atom or an alkyl group;

a styrylazolium of formula:



A denotes a sulphur atom, an oxygen atom, a group NR' or a group C(R')<sub>2</sub>,  
 R represents a hydrogen atom, an alkyl group or hydroxyalkyl group, and  
 R' represents a hydrogen atom or an alkyl group;  
 a styrylpyrazine; a chalcone; a (thio)cinnamate; a (thio)cinnamamide; a maleimide; a  
 (thio)coumarin; a thymine; a uracil; a butadiene; an anthracene; a pyridine; a pyrrolizinone;  
 an acridizinium salt; a furanone; a phenylbenzoxazole; and derivatives thereof.

Claim 38 (New): The cosmetic composition according to Claim 35, wherein the composition is free of photoinitiator.

Claim 39 (New): The cosmetic composition according Claim 35, wherein the photodimerizable group is grafted onto a support compound.

Claim 40 (New): The cosmetic composition according to Claim 39, wherein the support compound is at least one of a poly(vinyl) polymer and a polydiorganosiloxanes.

Claim 41 (New): The cosmetic composition according to Claim 40, wherein the support compound is a poly(vinyl acetate).

Claim 42 (New): The cosmetic composition according to Claim 40, wherein the support compound is a partially saponified poly(vinyl acetate).

Claim 43 (New): The cosmetic composition according to Claim 35, wherein the compound comprising at least one photodimerizable group is a polymer that is soluble or dispersed in the composition.

Claim 44 (New): The cosmetic composition according to Claim 35, wherein the compound comprising at least one photodimerizable group is adsorbed onto polymer particles which are dispersed in the composition.

Claim 45 (New): The cosmetic composition according to Claim 44, wherein the polymer particles are vinyl polymer particles.

Claim 46 (New): The cosmetic composition according to Claim 44, wherein the polymer particles are poly(vinyl acetate).

Claim 47 (New): The cosmetic composition according to Claim 44, wherein the composition is an aqueous dispersion of a partially saponified polyvinyl acetate polymer bearing stilbazolium groups, in contact or blended with polyvinyl acetate particles.

Claim 48 (New): The cosmetic composition according to Claim 35, wherein the compound comprising at least one photodimerizable group represents from 0.01% to 25% of the total weight of the composition.

Claim 49 (New): The cosmetic composition according to Claim 35, wherein the compound comprising at least one photodimerizable group represents from 0.1% to 20% of the total weight of the composition.

Claim 50 (New): The cosmetic composition according to Claim 35, wherein the compound comprising at one photodimerizable group represents from 1% to 15% of the total weight of the composition.

Claim 51 (New): The cosmetic composition according to Claim 35, further comprising an effective amount of at least one photosensitizer.

Claim 52 (New): The cosmetic composition according to Claim 48, wherein the photosensitizer is at least one selected from the group consisting of thioxanthone, rose bengal, phloxin, eosin, erythrosin, fluorescein, acriflavine, thionine, riboflavine, proflavine, chlorophylls, haematoporphyrin, methylene blue, and mixtures thereof.

Claim 53 (New): The cosmetic composition according to Claim 51, wherein the photosensitizer is from 0.00001% to 5% of the total weight of the composition.

Claim 54 (New): The cosmetic composition according to Claim 35, wherein the cosmetic active agent is at least one of a hydrolysed or non-hydrolysed, modified or unmodified saccharide, oligosaccharide and polysaccharide; an amino acid; oligopeptide; a peptide; a hydrolysed or non-hydrolysed, modified or unmodified protein, polyamino acid and enzyme; a branched or unbranched fatty acid and fatty alcohol; an animal, plant or mineral wax; a ceramide and a pseudoceramide; a hydroxylated organic acid; a UV-screening agent; an antioxidant and free-radical scavenger; a chelating agent; an antidandruff agent; a seborrhoea regulator; a calmant; a cationic surfactant; a cationic or amphoteric polymer; an organomodified or non-organomodified silicone; a mineral, a plant or animal oil; a polyisobutene and poly( $\alpha$ -olefin); an ester; a soluble or dispersed anionic polymer; a soluble or dispersed nonionic polymer; a reducing agent; a dyestuff; a foaming agent; a film-forming agent; a particle; and mixtures thereof.

Claim 55 (New): The cosmetic composition according to Claim 54, wherein the cosmetic active agent is from 0.001% to 30% of the total weight of the composition.

Claim 56 (New): The cosmetic composition according to Claim 35, further comprising a cosmetically acceptable solvent or mixture of solvents.

Claim 57 (New): The cosmetic composition according to Claim 56, comprising at least one solvent selected from the group consisting of water, an alcohol, a polyol, a polyol ether, and mixtures thereof.

Claim 58 (New): The cosmetic composition according to Claim 56, comprising a C<sub>1</sub>-C<sub>6</sub> lower alkanol.

Claim 59 (New); The cosmetic composition according to Claim 58, wherein the alkanol is at least one selected from the group consisting of ethanol, propanol and isopropanol.

Claim 60 (New): The cosmetic composition according to Claim 57, comprising at least one polyol selected from the group consisting of a propylene glycol, a hexylene glycol, a glycerol and a pentanediol.

Claim 61 (New): The cosmetic composition according to Claim 56, comprising a solvent in an amount of 0.1% to 99% of the total weight of the composition.

Claim 62 (New): The cosmetic composition according to Claim 35, having a pH of between 2 and 12.

Claim 63 (New): The cosmetic composition according to Claim 35, having a pH of between 3 and 11.

Claim 64 (New): The cosmetic composition according to Claim 35, further comprising at least one adjuvant selected from the group consisting of a fragrance, a filler, a pH regulator and a preserving agent.

Claim 65 (New): The cosmetic composition according to Claim 35, which is crosslinked.

Claim 66 (New): The cosmetic composition according to Claim 35, which is photo-crosslinked.

Claim 67 (New): A hair styling composition comprising the cosmetic composition according to Claim 35.

Claim 68 (New): A process for treating keratin materials, comprising:  
a) applying the composition of Claim 35 to the keratin materials, and  
b) irradiating the composition applied on the keratin materials to crosslink the composition.

Claim 69 (New): The process according to Claim 68, further comprising:  
drying the keratin materials, before the irradiating and after the applying.

Claim 70 (New): The process according to Claim 68, further comprising:

before or after the irradiating, an acting time at room temperature or with heat, or under a red lamp.

Claim 71 (New): The process according to Claim 68, further comprising:  
before the irradiating, partial masking of the keratin materials, and, after the irradiating, rinsing, or, when the keratin materials are hair, a shampooing or styling.

Claim 72 (New): The process according to Claim 68, further comprising:  
before the partial masking of the keratin materials and after the applying, drying the keratin materials.

Claim 73 (New): The process according to Claim 68, wherein the irradiating is carried out with radiation in the UVA range or in the visible range.

Claim 74 (New): The process according to Claim 73, wherein the radiation is UVA radiation.

Claim 75 (New): The process according to Claim 68, wherein when the keratin materials are hair, and the process further comprises:  
shaping the hair before or after the irradiating.

Claim 76 (New): The process according to Claim 68, wherein the compound comprising at least one photodimerizable group is heat-dimerizable, and the irradiating is heating between 40 and 200°C.

Claim 77 (New): The process according to Claim 68, wherein the keratin materials are hair or nails.